Title (en)

Control system for automatic vehicle transmission

Title (de)

Steuereinrichtung für ein automatisches Fahrzeuggetriebe

Title (fr)

Système de commande pour une transmission automatique de véhicule

Publication

EP 0962683 B1 20040107 (EN)

Application

EP 99110814 A 19990604

Priority

- JP 17227298 A 19980604
- JP 17227198 A 19980604

Abstract (en)

[origin: EP0962683A2] A system for controlling an automatic transmission (12) mounted on a vehicle, including an automatic mode in which gear is retrieved from a predetermined gearshift characteristics by the detected vehicle speed (VSP) and the engine load (THHF) and an manual mode in which gear is designated by a device manually operated by a vehicle driver. In the system, a temperature (TEX) in an exhaust pipe (38) of the vehicle is estimated based on the detecting operating conditions and the gear designated in the manual mode is corrected to upshift by one gear, if the estimated exhaust pipe temperature (TEX) is found to exceed a predetermined temperature, thereby improving avoidance of the occurrence of excessive thermal load of components in the vicinity of the exhaust pipe (38), and that, by not conducting forced upshift until such time, fully exploits the features of the manual mode and, by this, makes the product more appealing to customers. <IMAGE>

IPC 1-7

F16H 61/16; F16H 61/02

IPC 8 full level

F16H 61/02 (2006.01); F16H 59/78 (2006.01); F16H 61/16 (2006.01)

CPC (source: EP US)

F16H 61/0213 (2013.01 - EP US); B60W 2510/068 (2013.01 - EP US); F16H 59/78 (2013.01 - EP US); F16H 61/16 (2013.01 - EP US); F16H 63/42 (2013.01 - EP US); F16H 2059/0239 (2013.01 - EP US)

Cited by

CN107690540A; EP3045780A4; RU2623294C2; US10955048B2; WO2016172688A1; WO2009053297A1

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DE FR GB

DOCDB simple family (publication)

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